generating image data based on the performed acquisition;

generating quantitative data based on the performed acquisition; and

constructing a DICOM compatible file, the image data being provided in an image data

field and the quantitative data being provided in a field of the DICOM compatible file other

than the image data field.

18. (Amended)   A method of generating a DICOM file including embedded quantitative

data, said method comprising:

generating a report image file from quantitative data;

embedding the report image file as an image file portion of the DICOM file; and

embedding the quantitative data, used to create the report image file, in a field of the

DICOM file other than the image data field.

23. (Amended)   A computer executable software code stored on a computer readable

medium, the code for creating a DICOM compliant file, said code comprising:

code for creating a report, including quantitative data, from acquisition data generated

by an image capture device or another form of data entry;

code for creating a bitmap image file representing the created report;

code for embedding the bitmap image file in an image field of a DICOM compliant

file; and

code for embedding the quantitative data in a field of the DICOM compliant file other

than the image field.